Math Lab

PRODUCT CATALOGUE

scholarsmerit.com

Scholarsmerit Online Pvt. Ltd.
Maths lab for Classes 1 to 12.

https://scholarsmerit.com

What's Maths Lab..?

INDRODUCTION

Scholarsmerit math lab is designed to support students conduct experiments and increasing their curiosity. The lab experiments can be integrated with current curriculum. Given the requirement for schools to have a separate mathematics lab, Scholarsmerit offers around 200 items for schools to develop a state-of-the-art mathematics lab. The Scholarsmerit math lab is designed to help teachers, motivate children and help them understand the versatility of the subject. With lab, students can experience, observe and practice concepts of subjects easily and teachers can conduct lab sessions.

Advantage of Maths Lab:

Math laboratories can aid in the learning of the subject in the following ways:

- It allows students to understand and internalize basic mathematical concepts through concrete objects and situations.
- Students can use models and paper folding techniques to verify or discover several geometric properties and facts.
- Students gain interest and confidence in learning the subject.
- The laboratory provides an opportunity to demonstrate the relevance of mathematical concepts to everyday life.
- Become an independent learner and participate more actively in the learning process.
- Using the laboratory allows students to engage in more active thinking, discuss the material with their classmates, and assimilate the information better.
- It enables the teacher to demonstrate, explain, and reinforce abstract mathematical ideas through concrete objects, models, charts, graphs, and pictures.

About Math Lab

Scholarsmerit is a company that was established in 2020 under the expert guidance of Ex-Dean of the National Council of Educational Research and Training (NCERT) and other mathematicians. Our company was founded on the premise of improving students' ability to grasp, apply and retain concepts in their long-term memory.

Our Business Partners

Infrastructure & items for Math lab:

Maths LAB

Scholarsmerit manufactures around 200 items for establishing a state-of-the art mathematical lab within schools. These items adhere to the suggested hands-on activities in mathematics for Class 1 to Class 12 as per document 'Mathematics Laboratory in schools – towards joyful learning' and 'Essential Standard Operating Procedure (SOP) Required for Affiliation' published by Central Board of Secondary Education (CBSE).

Scholarsmerit maths lab items are made of a variety of materials such as acrylic, wood, rubber, etc. maths professionals will provide orientation to teachers and students on how to use each item and also provide continued support.

Primary Maths Lab

No.	Code	Category	No.	Code	Category
1	MLBB221	Add and Count Rods	16	MLBG004	Magnetic Numbers with Tin plate
2	MLBG002	Arithmetic Chart Set of 7 1. Numbers & Number Names 2. Addition 3. Subtraction 4. Multiplication table Up to 10 5. Division 6. Multiplication Table Up to 20 7. Roman Numerals	17	MLBP013#	Mann cards (4 digits)
			18	MLBB245#	Measuring Tape (3 m)
			19	MLBG040	Measuring Tape (15 m)
			20	MLBB241#	Meter scale Steel
			21	MLBG043	Metric Wheel
			22	MLBT077#	Multiplication of Fraction
			23	MLBT002#	Multiplication with Beads
3	MLBG001	Beads in String	24	MLBG003	Number Mat
4	MLBB203	Counting Abacus	25	MLBG019	Numerical Balance
5	MLBG007	Decimal Abacus	26	MLBB234	Set of Volumetric Cups
6	MLBP014#	Decimal Mann Cards	27	MLBB228	Shapes (Mould)
7	MLBB224	Flash Cards	28	MLBG040	Skip Counting
8	MLBG054	Game of Place Value	29	MLBP015	Stencil
9	MLBP 007-010	Games and Puzzles (Tangram, Sudoku, Tambola, Integer board)	30	MLBB205	Student Abacus
			31	MLBT001	Subtraction with Beads
10	MLBG052	Geared Teacher Clock	32	MLBG020	Tessellation Kit
11	MLBB207	Geo Board Square	33	MLBB230	Time Teaching Stamps
12	MLBB225	Geometrical Shapes	34	MLBT003	Tower of Numbers
13	MLBB242#	Half Meter Scale	35	MLBP011	Unit Cubes
14	MLBG025	Jug & Beaker Set	36	MLBP017#	Wooden Scale (One Meter)
15	MLBB238	Kitchen Balance			

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MLBB221

Add and Count Rods

MLBG002

Arithmetic Chart Set of 7

MLBG001

Beads in String (500)

MLBB203

Counting Abacus

MLBG007

Decimal Abacus

MLBB224

Flash Cards

MLBG054

Game of Place Value

MLBP007

Tangram

MLBG052

Geared Teacher Clock

MLBB207

Geo Board Square

MLBB225

Geometrical Shapes

MLBG025

Jug & Beaker Set

MLBB238

Kitchen Balance

MLBG004

Magnetic Numbers with Tin plate

MLBG040

Measuring Tape

MLBG043

Matric Wheel (50cm)

MLBG003

Number Mat

MLBG019

Numerical Balance

MLBB234

Set of Volumetric Cups

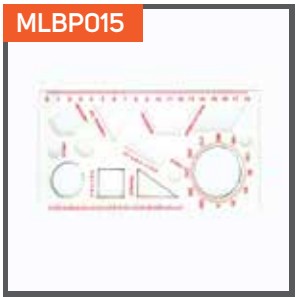
MLBB228

Shapes (Mould)

MLBG040

Skip Counting

MLBP015



Stencil

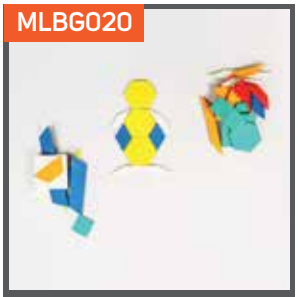
MLBB205

Student Abacus (Wooden)

MLBT001

Subtraction with Beads

MLBG020



Tessellation Kit

MLBB230

Time Teaching Stamp

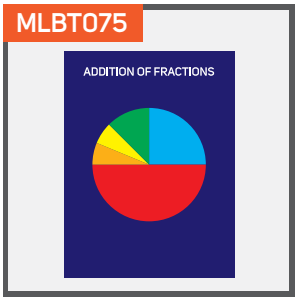
MLBT003

Tower of Numbers

MLBP011

Unit Cubes

MLBT075



Addition of Fractions

MLBT013

Addition of negative and Positive Numbers

MLBT072

Circle Concept Kit

MLBB217

Circle Fraction Disk (Wood)

Upper Primary Maths Lab

No.	Code	Category
1	MLBT075	Addition of Fractions
2	MLBT013	Addition of Negative and Positive Numbers
3	MLBT049#	Associative Property
4	MLBT046#	Closure Property
5	MLBT072	Circle Concept Kit
6	MLBB217	Circle Fraction Disk
7	MLBT047#	Commutative Property
8	MLBB215	Cylinder Parts
9	MLBT037#	Decimal Numbers
10	MLBT048#	Distributive Property
11	MLBT007	Divisibility Rules
12	MLBT078	Division of Fractions
13	MLBT054	Easy Method to find HCF
14	MLBT053	Easy Method to find LCM
15	MLBT055#	Easy Multiplication
16	MLBT004	Exponents and Powers
17	MLBT080#	Fraction Concept Instruments
18	MLBB218	Fraction of Circle
19	MLBB219	Fraction of Square
20	MLBB220	Fraction of Triangle
21	MLBT012#	Fraction Tiles
22	MLBP 007-010	Games and Puzzles (Tangram, Sudoku, Tambola, Integer board)
23	MLBB207	Geo Board Square
24	MLBB211A	Geometrical Solids (Small)
25	MLBB210	Geometry Box
26	MLBG014	Geometry Kit
27	MLBG018	Integer Number Line Bar
28	MLBB284	Identity Set - 3 1. Angle Property of cyclic Quadrilateral 2. Angle Sum property of Quadrilateral 3. Angle Sum Property of Triangle 4. Exterior Angle of Regular Polygon
29	MLBT011a	Linear Equations (One variable)
30	MLBG040	Measuring Tape (15 Meter)
31	MLBB241#	Meter Scale Steel
32	MLBT077	Multiplication of Fraction
33	MLBT074#	Number Puzzle
34	MLBT044	Percentage Kit
35	MLBP012#	Physical Balance
36	MLBT056	Prime Numbers & Composite Numbers
37	MLBT008	Ratio and Percentage
38	MLBB280	Ratio of Area of Similar Triangles
39	MLBB234	Set of Volumetric Cups (Plastic)
40	MLBG048	Standard Time indicator
41	MLBP015	Stencil
42	MLBT076#	Subtraction of Fraction
43	MLBG020	Tesellation Kit
44	MLBG049	Thermometer
45	MLBG038	Upper Primary Chart Set of 15 1. Number system 2. Algebra 3. Rational Numbers (Properties, Addition and Subtraction) 4. Rational Numbers (Properties, Multiplication and division) 5. Different Lines and Points 6. Different types of Angles 7. Pair of angles corresponding, linear and alternate 8. Different Triangles, Pythagoras Theorem 9. Quadrilateral (Properties and Types) 10. Circle: Basics 11. Congruent Triangles Theorems 12. Properties of a Circle 13. Mensuration 1 - Area, Perimeter 14. Mensuration 2 - Total Surface Area, Volume 15. Profit & Loss
46	MLAB013#	Upper Primary Kit
47	MLBP011	Unit cubes

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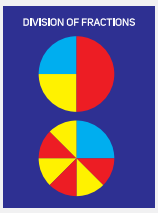
MLBB215

Cylinder Parts

MLBT007

Divisibility Rules

MLBT078



Division of Fractions

MLBT054

Easy Method to find HCF

MLBT053

Easy Method to find LCM

MLBT004

Exponents and Powers

MLBB218

Fraction of a Circle

MLBB219

Fraction of a Square

MLBB220

Fraction of a Triangle

MLBP009

Tambola

MLBB211A

Geometrical Solids

MLBB210

Geometry Box

MLBG014

Geometry Kit

MLBG018

Integer Number Line Bar

MLBB284

Identity Set 3

MLBT011a

Linear Equation
(One Variable)

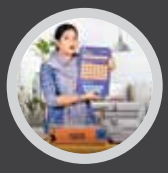
Does your school have limited space to set up a mathematics lab..?

INTRODUCING

PORTABLE MATHS LAB

FOR PRIMARY AND SECONDARY CLASSES

What is included in our portable lab?

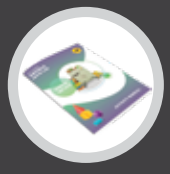

DEMO VIDEOS

LAB MODELS

BOARDS

3D SHAPES

WALLCHART

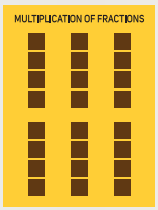

DEMO NOTE

Special features:

- Perform over 200 experiments.
- Compactly designed to be installed in any classroom - only require 5 sq. ft of space.
- Walk-through video available.
- Easy to implement and quick turnaround time.
- One-stop solution with a single source of
- procurement.

  Portable lab can be taken to each classroom

MLBT077

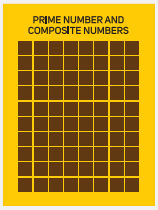


Multiplication of Fraction

MLBT044

Percentage Kit

MLBT056



Prime Number
and Composite Number

MLBT008

Ratio and Percentage

MLBB280

Ratio of Area of
Similar Triangles

MLBG048

Standard Time Indicator

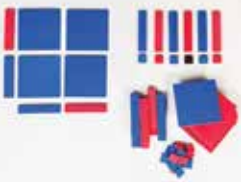
MLBG049

Thermometer

MLBG038

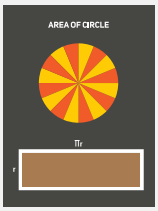
Upper Primary Chart

MLBG011



Algebra Tiles Magnetic

MLBT079



Area of Circle

MLBT015

Arithmetic Mean

MLBT051

Basic Proportionality
Theorem (BPT)

MLBT041

Centroid of a Triangle

MLBG032

Clinometer

MLBG214

Conic Section

MLBT005

Direct Proportion

Secondary Maths Lab

No.	Code	Category
1	MLBG011	Algebra Tiles Magnetic
2	MLBT079	Area of Circle
3	MLBT015	Arithmetic Mean
4	MLBT018#	Bar Graph
5	MLBT051	Basic Proportionality Theorem
6	MLBT041	Centroid of a Triangle
7	MLBG032	Clinometer
8	MLBB214	Conic Section a. Hyperbola b. Parabola c. Ellipse d. Circle
9	MLBB216#	Derivation of Value of Pie
10	MLBT005	Direct Proportion (Acrylic)
11	MLBT052#	Euclid's Division Algorithm
12	MLBB208	Geo board Circle
13	MLBB211B	Geometrical Solids (Big)
14	MLBB210	Geometry Box
15	MLBG014	Geometry Kit
16	MLBB271	Graph Roll up Chart
17	MLBG009	Hollow Cylinder
18	MLBB282	Identity set - 1 1. Pythagoras Theorem 2. $(a + b)^2$ 3. $(a - b)^2$ 4. $(a + b)^3$
19	MLBB283	Identity Set - 2 1. $(x + a)(x + b)$ 2. $(a + b + c)^2$ 3. $(a + b)^2 - (a - b)^2$ 4. $a^2 - b^2 = (a + b)(a - b)$
20	MLBB284	Identity Set - 3 1. Angle Property of cyclic Quadrilateral 2. Angle Sum property of Quadrilateral 3. Angle Sum Property of Triangle 4. Exterior Angle of Regular Polygon
21	MLBT029	Incentre of a Triangle
22	MLBT006	Inverse Proportion
23	MLBT010#	Irrational Numbers on a Number Line
24	MLBT030	Magic Hexagon
25	MLBB272	Magnetic Graph Coordinate Board
26	MLBT016#	Median
27	MLBB285	Mensuration Kit (Acrylic) a. Area of parallelogram b. Area of Right Angled Triangle c. Area of Acute Angled Triangle d. Area of Obtuse Angled Triangle e. Area of Rhombus f. Area of Trapezium g. Midpoint Theorem h. Properties of Parallelogram i. Quadrilateral formed by the Midpoint of a Quadrilateral j. Area of circle
28	MLBT017#	Mode
29	MLBT042#	Ortho Centre of a Triangle
30	MLBT014	Parallel lines and Transversal
31	MLBB268	Perpendicular Line Segment
32	MLBP012#	Physical Balance
33	MLBT019#	Pie Chart
34	MLBB213	Polyhedron and their Net
35	MLBB262	Probability Kit a. Dice- set of 2 Pcs b. Playing Cards c. Set of 400 marbles
36	MLBB276	Pythagoras Theorem
37	MLBT045	Quadrant
38	MLBT008	Ratio and Percentage
39	MLBB280	Ratio of Area of Similar Triangles
40	MLBT043	Real Numbers
41	MLBG054#	Secondary Chart Set of 21
42	MLAB012#	Secondary Kit
43	MLBB234	Set of Volumetric Cups (Plastic)
44	MLBG051	Sextant

#No Picture

MLBB208

Geo Board-Circle (Wooden)

MLBB211B

Geometrical Shapes (Big)

MLBB271

Graph Roll up Chart

MLBG009

Hollow Cylinder

MLBB282

Identity Set - 1

MLBB283

Identity Set - 2

MLBT029

Incentre of a Triangle

MLBT006

Inverse Proportion

MLBT030

Magic Hexagon

MLBB272

Magnetic Graph Coordinate Board

MLBB285

Mensuration kit

MLBT014

Parallel lines and Transversal

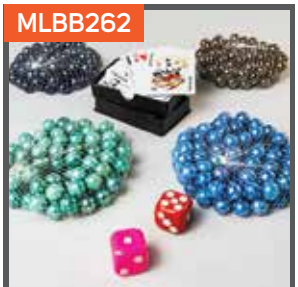
MLBB268

Perpendicular Line Segment

MLBB213

Polyhedron and their net

MLBB262



Probability Kit

MLBB276

Pythagoras Theorem (50 Pcs)

MLBT045

Quadrant

MLBT043

Real Numbers

MLBG051

Sextant

MLBT058

Sum of First 'n' Even Numbers

MLBT057

Sum of First 'n' Natural Numbers

MLBT059

Sum of First 'n' Odd Numbers

MLBB212

Transparent Geometrical Shapes

MLBB279

Triangle Kit

MLBB277

Working Model of Pythagoras Theorem

MLBG012

X-Y Axes Geo-Board

MLBT068

Alternate Segment Theorem

MLBG018

Arithmetic Progression

MLBT040

Construction of parabola

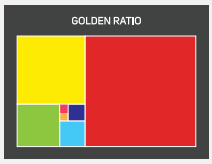
MLBG010

Cube & Sphere

MLBG046

Geometric Progression

MLBT063



Golden Ratio

Secondary Maths Lab

No.	Code	Category	No.	Code	Category
45	MLBT050	of Polynomials	50	MLBB279	Triangle Kit
46	MLBT058	Sum of First 'n' Even Numbers	51	MLBB277	Working Model of Pythagoras Theorem
47	MLBT057	Sum of First 'n' Natural Numbers	52	MLBG012	X-Y Axes Geo-Board
48	MLBT059	Sum of First 'n' Odd Numbers			
49	MLBB212	Transparent Geometrical Shape			

Higher Secondary Maths Lab

No.	Code	Category	No.	Code	Category
1	MLBT068	Alternate Segment Theorem	16	MLBT038#	Scalars and Vectors
2	MLBG018	Arithmetic Progression Kit	17	MLBT071#	Section Formula
3	MLBG052#	Conic Section with Standard Equation Kit	18	MLBT067	Sum of First Square Of 'n' Natural Numbers
4	MLBT040	Construction of parabola	19	MLBT064	Unit Circle
5	MLBG010	Cube & Sphere	20	MLBT060	Value of Sine, Cos, Tan, Cot, Sec, and Cosec in Various Angles
6	MLBT070#	Distance formula	21	MLBG045	Venn diagram - Set theory
7	MLBG046	Geometric Progression Kit	22	MLBT061	Volume of Hemi Sphere
8	MLBT063	Golden Ratio	23	MLBB232	Volume Relationship Set a. Hemi Sphere b. Sphere c. Cone d. Cube e. 2 Cylinders f. Frustum
9	MLBT066	Graph of (Sin-¹ x) Using (Sin x)			
10	MLBT065#	Inverse Trigonometric Function			
11	MLBT011b#	Linear Equations - Two Variable			
12	MLBB281	Octant 3D			
13	MLBT009	Pascal's Triangle			
14	MLBT062	Permutations & Combinations			
15	MLBG047	Probability Kit for Higher Secondary			
16	MLBG053	Relations & Functions Kit			
17	MLBT039#	Rolle's Theorem			

Note: Items common to primary, upper primary, secondary, and higher secondary classes.

No.	Code	Category	No.	Code	Category
1	MLBP001	Photos of Famous Mathematicians	3	MLBE102	Chart Display Stand
2	MLBE101	Chart Storage Stand	4	MLBE103	Magnetic Board

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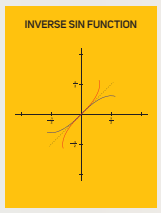
MLBT066

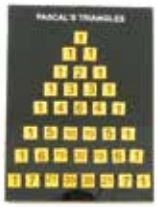


Graph of ($Sin^{-1}x$) Using (Sin x)

MLBB281

Octant 3D

MLBT009



Pascal's Triangle

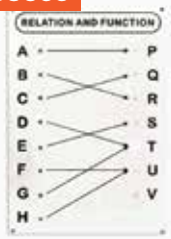
MLBG062

Permutations & Combinations

MLBG047

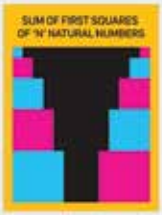
Probability Kit for Higher Secondary

MLBG053



Relations and Functions Kit

MLBT050



Sum of First Squares of 'n' Natural Numbers

MLBT064

Unit Circle

MLBT060

Value of sine, cos, tan, cot, sec, and cosec in various angles

MLBG045

Set Theory by Venn Diagram Kit

MLBT061

Volume of Hemi Sphere

MLBB232

Volume Relationship Set

MLBP001

Famous Mathematician's Photos

MLBE101

Chart Storage Stand

MLBE102

Chart Display Stand

MLBE103

Magnetic Board (90x60cm)

Maths Lab Room Design

Maths Kit Contents

Available for preprimary , grade 1 to 10 (Age 3 - 16)

FOR MORE INFORMATION

Scholarsmerit Online Pvt. Ltd.

Highway Tower-1, A-13/2 Sector -62, Noida 201309 (U.P.) India

+91 8920 33 6050 support@smopl.com

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